Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/31/2017 11:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124931	-1	1.60	124805	1.55
Blue	F	SSC	125000	123650	-2	2.76	123953	2.47
Blue	E	FITC	23795	22960	-4	2.62	1023	10.78
Blue	D	PE	29673	29312	-2	2.12	1052	10.30
Blue	B	PerCP-Cy5-5	48943	48007	-2	3.52	1387	17.89
Blue	A	PE-Cy7	44112	43954	-1	5.23	673	37.14
Red	C	APC	54273	53445	-2	2.71	3092	9.62
Red	A	APC-Cy7	54945	54225	-2	2.70	1119	11.50
Violet	B	V450	15756	15240	-4	3.88	730	8.91
Violet	A	V500	62569	60805	-3	3.66	2689	6.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19796	3.92	614	0	N/A	N/A	Pass
Blue	F	SSC	61283	1.53	548	2	N/A	N/A	Pass
Blue	E	FITC	116	42.12	551	1	0.0192	299	Pass
Blue	D	PE	231	30.67	549	3	0.1477	264	Pass
Blue	B	PerCP-Cy5-5	215	47.59	639	0	0.0089	86	Pass
Blue	A	PE-Cy7	71	129.04	696	-3	0.0110	20	Pass
Red	C	APC	362	27.83	599	-1	0.0193	42	Pass
Red	A	APC-Cy7	124	41.96	578	-6	0.0052	1694	Pass
Violet	B	V450	89	42.77	475	3	0.0489	2198	Pass
Violet	A	V500	197	26.43	502	3	0.0148	1517	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-30.96	0.86
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.87	13.27 - 19.91	N/A	N/A	30.93	31.45	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9633

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments